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Approved for use through 09/30/00. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 1453-00050 Total Pages 48  
First Named Inventor or Application Identifier  
Robert F. Dierbeck  
Express Mail Label No. EL812751220US

**APPLICATION ELEMENTS**  
See MPEP chapter 600 concerning utility patent application contents

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

1. ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification [Total Pages 32]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) [Total Sheets 11]
4. Oath or Declaration [Total Pages 2]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked). The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a. ☐ Computer Readable Copy
  - b. ☐ Paper Copy (identical to computer copy)
  - c. ☐ Statement verifying identify of above copies

**ACCOMPANYING APPLICATION PARTS**

8. ☐ Assignment Papers (as originally filed)
9. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14. ☒ Small Entity Status is hereby declared.
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Other:

14. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

**18. CORRESPONDENCE ADDRESS**

☒ Customer Number or Bar Code Label



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PATENT TRADEMARK OFFICE

or ☐ Correspondence address below.

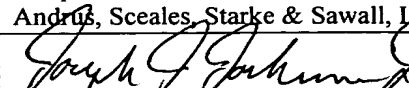
CERTIFICATE OF EXPRESS MAIL

This is to certify that this correspondence is being deposited with the United States Postal Service as EXPRESS MAIL POST OFFICE TO ADDRESSEE in an envelope addressed to Commissioner of Patents and Trademarks, Washington D.C., 20231 on 10/15/2001. The Express Label is EL812751220US

Barbara A. Johnson  
Barbara A. Johnson

Oct. 15, 2001  
Date

10/15/2001

PTO/SB/17 (10/97)  <div style="text-align: center; font-weight: bold; font-size: 1.2em;">FEE TRANSMITTAL</div>		<div style="text-align: center; font-weight: bold; font-size: 0.8em;">COMPLETE IF KNOWN</div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">Application Number</td><td style="width:50%;"></td></tr> <tr><td>Filing Date</td><td>10/15/01</td></tr> <tr><td>First Named Inventor</td><td>Robert F. Dierbeck</td></tr> <tr><td>Group Art Unit</td><td></td></tr> <tr><td>Examiner Name</td><td></td></tr> <tr><td>Attorney Docket Number</td><td>1453-00050</td></tr> </table>		Application Number		Filing Date	10/15/01	First Named Inventor	Robert F. Dierbeck	Group Art Unit		Examiner Name		Attorney Docket Number	1453-00050																																																																																																
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Additional Fees <table style="width:100%; font-size: 0.8em;"> <tr> <th style="text-align: left;">Large Entity Fee Code (\$)</th> <th style="text-align: left;">Small Entity Fee Code (\$)</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: left;">Fee Paid</th> </tr> <tr><td>105 130</td><td>205 65</td><td>Surcharge-late filing fee or oath</td><td>_____</td></tr> <tr><td>127 50</td><td>227 25</td><td>Surcharge-late provisional filing fee or cover sheet</td><td>_____</td></tr> <tr><td>139 130</td><td>139 130</td><td>Non-English specification</td><td>_____</td></tr> <tr><td>147 2,520</td><td>147 2,520</td><td>For filing a request for reexamination</td><td>_____</td></tr> <tr><td>112 920*</td><td>112 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td>_____</td></tr> <tr><td>113 1,840*</td><td>113 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td>_____</td></tr> <tr><td>115 110</td><td>215 55</td><td>Extension for response within first month</td><td>_____</td></tr> <tr><td>116 400</td><td>216 200</td><td>Extension for response within second month</td><td>_____</td></tr> <tr><td>117 950</td><td>217 475</td><td>Extension for response within third month</td><td>_____</td></tr> <tr><td>118 1,510</td><td>218 755</td><td>Extension for response within fourth month</td><td>_____</td></tr> <tr><td>128 2,060</td><td>228 1,030</td><td>Extension for response within fifth month</td><td>_____</td></tr> <tr><td>119 310</td><td>219 155</td><td>Notice of appeal</td><td>_____</td></tr> <tr><td>120 310</td><td>220 155</td><td>Filing a brief in support of an appeal</td><td>_____</td></tr> <tr><td>121 270</td><td>221 135</td><td>Request for oral hearing</td><td>_____</td></tr> <tr><td>138 1,510</td><td>138 1,510</td><td>Petition to institute a public use proceeding</td><td>_____</td></tr> <tr><td>140 110</td><td>240 55</td><td>Petition to revive unavoidably abandoned application</td><td>_____</td></tr> <tr><td>141 1,320</td><td>241 660</td><td>Petition to revive unintentionally abandoned application</td><td>_____</td></tr> <tr><td>142 1,320</td><td>242 660</td><td>Utility issue fee (or reissue)</td><td>_____</td></tr> <tr><td>143 450</td><td>243 225</td><td>Design issue fee</td><td>_____</td></tr> <tr><td>144 670</td><td>244 335</td><td>Plant issue fee</td><td>_____</td></tr> <tr><td>122 130</td><td>122 130</td><td>Petitions to the Commissioner</td><td>_____</td></tr> <tr><td>123 50</td><td>123 50</td><td>Petitions related to provisional applications</td><td>_____</td></tr> <tr><td>126 240</td><td>126 240</td><td>Submission of Information Disclosure Statement</td><td>_____</td></tr> <tr><td>581 40</td><td>581 40</td><td>Recording each patent assignment per property (times number of properties)</td><td>_____</td></tr> <tr><td>146 790</td><td>246 395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td>_____</td></tr> <tr><td>149 790</td><td>249 395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td>_____</td></tr> </table> Other fee (specify) _____ Other fee (specify) _____		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	105 130	205 65	Surcharge-late filing fee or oath	_____	127 50	227 25	Surcharge-late provisional filing fee or cover sheet	_____	139 130	139 130	Non-English specification	_____	147 2,520	147 2,520	For filing a request for reexamination	_____	112 920*	112 920*	Requesting publication of SIR prior to Examiner action	_____	113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	_____	115 110	215 55	Extension for response within first month	_____	116 400	216 200	Extension for response within second month	_____	117 950	217 475	Extension for response within third month	_____	118 1,510	218 755	Extension for response within fourth month	_____	128 2,060	228 1,030	Extension for response within fifth month	_____	119 310	219 155	Notice of appeal	_____	120 310	220 155	Filing a brief in support of an appeal	_____	121 270	221 135	Request for oral hearing	_____	138 1,510	138 1,510	Petition to institute a public use proceeding	_____	140 110	240 55	Petition to revive unavoidably abandoned application	_____	141 1,320	241 660	Petition to revive unintentionally abandoned application	_____	142 1,320	242 660	Utility issue fee (or reissue)	_____	143 450	243 225	Design issue fee	_____	144 670	244 335	Plant issue fee	_____	122 130	122 130	Petitions to the Commissioner	_____	123 50	123 50	Petitions related to provisional applications	_____	126 240	126 240	Submission of Information Disclosure Statement	_____	581 40	581 40	Recording each patent assignment per property (times number of properties)	_____	146 790	246 395	Filing a submission after final rejection (37 CFR 1.129(a))	_____	149 790	249 395	For each additional invention to be examined (37 CFR 1.129(b))	_____
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